Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/09/2021 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123542	-2	2.39	123412	2.39
Blue	F	SSC	125000	123151	-2	4.20	123511	4.25
Blue	E	FITC	14400	13921	-4	2.95	319	15.16
Blue	D	PE	24713	24689	-1	2.51	565	10.80
Blue	B	PerCP-Cy5-5	31796	31329	-2	3.75	1042	14.16
Blue	A	PE-Cy7	21240	21253	0	5.60	568	28.17
Red	C	APC	41319	40856	-2	3.32	1712	11.13
Red	A	APC-Cy7	21019	20458	-3	3.70	764	11.42
Violet	B	V450	7305	6943	-5	3.97	428	12.26
Violet	A	V500	28652	27514	-4	3.53	690	9.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23028	2.43	564	-5	N/A	N/A	Pass
Blue	F	SSC	57254	2.80	516	4	N/A	N/A	Pass
Blue	E	FITC	59	49.42	490	-1	0.0417	0	Pass
Blue	D	PE	119	35.30	489	2	0.3864	242	Pass
Blue	B	PerCP-Cy5-5	191	35.14	584	0	0.0218	87	Pass
Blue	A	PE-Cy7	115	64.06	631	1	0.0234	0	Pass
Red	C	APC	396	22.91	574	1	0.0301	159	Pass
Red	A	APC-Cy7	170	27.15	544	-1	0.0069	1252	Pass
Violet	B	V450	60	58.79	454	-2	0.0588	1841	Pass
Violet	A	V500	99	31.21	468	-2	0.0248	362	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.79	-31.60	1.04
Blue	20.34	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.74	15.99 - 23.99	N/A	N/A	30.06	30.18	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 14436

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments